

DISSERTATIO ACADEMICA  
SISTENS  
HORTUM  
ACADEMIÆ  
ABOENSIS,

Cujus

PARTEM OCTAVAM,

VENIA AMPL. FAC. PHIL. IN IMPERIALI ACAD.  
ABOËNSI,

PUBLICO EXAMINI SUBMITTUNT

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ABOË

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## THESES.

I. Paradoxon licet videatur, contendere tamen audemus, culturam Plantarum Lapponicarum, in hortis nostris sane difficillimam, e voto melius succedere, si in Hybernaculo foveantur, quam cum, more solito, sub dio intemperiei cœli exponuntur; falso enim septentrionalium climatū plantæ frigoris habentur patientissimæ, cum sæpius apud nos pereant gelu, ab indigenis herbis bene tolerato; nix nimirum regionum polo vicinarum uberior ac diuturna frigoris vel acerrimi aditum ad plantas ipsa obsecras per continuam hyemem arcet, sicque vegetationem diu suppressens, easdem ab injuriis primi veris, & in his a noctium frigore, herbis reviviscentibus apud nos inimicissimo, servat immunes.

II. Certam reciprocationem functio Respirationis cum Circulationis illa & Nutritionis in animalibus tenet, ita ut auctis his illa quoque crescat, imminutis vero facillitur: hinc pauperes inedia laborantes motuque corporis fere carentes, vitam in cellis sordidis obscurisque, aëre pessimo repletis, per totam hyemem trahere possunt, ubi robustus vir, majoribus vitæ commodis adfuetus, bene nutritus ac motu corporis utens, brevi certe periret.

III. Tactus exquisitior, qualis est digitorum manus humanæ, in aliis Animalibus alia habet organa: sic *Elephanti*, *Tapiro*, *Sui*, rostrum, *Solidungulis* & *Bisulcis*, quorum in unum aut binos coacti sunt digiti, labia, *Cercopithecis* *Didelphidibusque* variis cauda prehensilis, *Vespertilionibus* membrana pro volatu expansilis, *Felibus* aliisque nocturnis vibris ad os, *Anatibus* membrana rostrum vestiens, *Serpentibus* variis cutis corporis laxa, res explorandas amplexandi potens, *Lophiis*, *Gadis* pisciumque præterea haud paucis tentacula & cirri, *Insectis* antennæ ac palpi, *Molluscis* denique brachia & tentacula, Tactus organa esse videntur.

IV. Multum inter Naturæ scrutatores agitata est quæstio de sede olfactus in Insectis, quæ hoc sensu minime carere, sed eo sæpius acerrimo uti, satis svadet observatio; at proxime vero tandem accessisse videtur Dn. BASTER, ex analogia animalium pulmonibus respirantium statuens, illum in ostiis trachearum, ipsis propriarum, esse situm: cui sententiæ haud sane parum addit fidei accuratius harum trachearum examen, scilicet mucore intus obductarum, pro exceptione & retentione particularum spirantium atmosphæræ immixtarum.

V. Neque magis in Molluscis exploratum habemus olfactus organon, probabili vero Cel. CUVIER protulit conjectura, cutem eorum omnem pro tali esse habendam, ut quæ sit & aëri semper exposita & membranæ pituitariæ instar humida ac mucosa,



Gosypium herbaceum	Hemerocallis japonica
hirsutum	Hemimeris urticæfolia *
religiosum	Heracleum austriacum
Gratiola goodenifolia	ligusticifolium*
lucida *	pyrenaicum *
Gronovia scandens	sibiricum
Gymnostyle anthemifolia	speciosum *
Gypsophila viscosa	Hermannia denudata
Hedyotis biflora	micans
diffusa *	multiflora
Hedysarum abyssinicum	scabra
bupleurifol: *	Hesperis arenaria *
canescens *	montana
Caput Galli	verna *
Crista Galli	Hibiscus Abelmoschus *
carpaticum	cannabinus *
flexuosum	diversifolius
gangeticum	esculentus
maculatum *	Mania
Onobrychis	militaris
Vespertilionis*	palmatus
Helenium quadridentatum	palustris *
Heliophila pendula	pentacarpus
Heliotropium indicum	phoeniceus
supinum	radiatus
Hemerocallis cærulea	Hieracium alpinum *
flava	echioides
graminifol:*	flexuosum
	Hiera-

- |                       |                          |
|-----------------------|--------------------------|
| Hieracium glaucum     | Hyoseris hispida         |
| humile                | Hypecoum procumbens      |
| intybaceum            | Hypericum Androsæmum     |
| lævigatum *           | balearicum               |
| pallescens *          | pyramidatum              |
| picatum *             | undulatum                |
| ramosum               | Hypochaeris radicata *   |
| speciosum *           | Hyptis persica *         |
| faxatile *            | Hysopus Lophanthus *     |
| undulatum             | nepetoides *             |
| villosum              | Jasione montana          |
| Holeus bicolor *      | Iberis vermiculata *     |
| sacharatus            | Illecebrum capitatum     |
| Sorghum               | fessile                  |
| spicatus              | Imperatoria Ostruthium * |
| Hordeum Hystrix       | Indigofera Anil          |
| norwegicum            | viscosa                  |
| nudum                 | Inula svaveolens         |
| Zeocriton             | Ipomoea barbata *        |
| Humea elegans *       | discolor *               |
| Hydrocotyle Spanantha | Pes Tigridis             |
| Hyoscyamus albus      | Quamoclit                |
| aureus *              | triloba *                |
| pallidus *            | varia *                  |
| reticulatus *         | Isatis lusitanica        |
| Hyoseris cretica      | Isopyrum fumarioides     |
| scabra                | Juncus tenuis *          |
| arenaria              | Tenageja *               |



Juniperus excelsa \*  
 Jusſieua erecta \*  
 Juſticia bicalyculata \*  
     ciliaris \*  
     Ecbolium \*  
     lithospermifolia  
     paniculata \*  
     parviflora \*  
     refupinata \*  
 Kyllingia incompleta  
     triceps  
 Lachenalia ſerotina \*  
 Lactuca intybacea  
 Lagœcia cuminoides  
 Lantana involucrata \*  
     ſtriſta  
     trifoliata \*  
 Laſerpitium hispidum \*  
     Siler \*  
 Lathyrus angulatus  
     Aphaca  
     articulatus  
     Clymenum  
     cornutus  
     hirsutus  
     latifolius  
     leucospermus  
     Niſſolia

Lathyrus rotundifolius  
     ſphæricus  
     ſpurius  
     tingitanus  
 Lavandula abrotanoides  
 Lavatera hispida \*  
     maritima  
     micans  
     Olbia  
     thuringiaca \*  
 Leontodon obovatum \*  
     ſerotinum \*  
 Leonurus criſpus \*  
 Lepechinia ſpicata  
 Lepidium divaricatum \*  
     lyratum  
     ſpiroſum \*  
     ſuffruticoſum \*  
     virginianum \*  
 Liguſticum caucaſicum \*  
 Linum alpinum \*  
     faſciculatum  
     perenne \*  
     ſtriatum  
     ſuffruticoſum \*  
 Lithospermum diſtichum  
 Lobelia Clifſortiana \*  
     debilis \*

- |                         |                           |
|-------------------------|---------------------------|
| Lobelia erinoides       | Madia viscosa             |
| longiflora *            | Malachra capitata *       |
| triquetra               | Malva abutiloides *       |
| Loeflingia hispanica *  | asperrima *               |
| Lolium asperum          | balsamea                  |
| Lopezia mexicana        | microcarpa                |
| Lotus arabicus          | peruviana                 |
| coimbrensis             | polystachya *             |
| cytisoides *            | reflexa                   |
| gracilis (caucasicus)   | spicata *                 |
| hirsutus                | Marrubium crispum         |
| hispidus                | Martynia proboscidea      |
| peregrinus              | Matricaria laxa           |
| rectus                  | Maurandia antirrhinifolia |
| filiquosus *            | Medicago apiculata        |
| Ludwigia microcarpa *   | coronata                  |
| ramosissima *           | distanis                  |
| Lupinus angustifolius   | elegans                   |
| hirsutus                | Gerardi                   |
| luteus                  | græca *                   |
| perennis *              | hirsuta *                 |
| varius                  | laciniata                 |
| Lychnis læta            | maculata                  |
| sylvestris              | marina                    |
| Lycium europæum *       | Murex *                   |
| Lycopsis vesicaria *    | muricata                  |
| Lythrum hyssopifolium * | obscura                   |
| tomentosum *            | polycarpa *               |

Me-



*Medicago pubescens*  
*rigidula*  
*tornata* (spinosa)  
*tribuloides*  
*tuberculata*  
*turbinata* \*  
*uncinata*  
*Melica grandiflora* \*  
*pyramidalis*  
*Melochia corchorifolia* \*  
*pyramidata*  
*Mercurialis ambigua*  
*Mesembryanth: mutabile* \*  
*Tripolium*  
*Meum Mutellina* \*  
*Mespilus arbutifolia* \*  
*germanica* \*  
*Micropus erectus*  
*Milium multiflorum*  
*paradoxum*  
*Mimosa glauca*  
*pudica*  
*Mimulus alatus* \*  
*luteus*  
*Mirabilis dichotoma*  
*Jalappa*  
*longiflora*  
*Mollia diffusa*

*Molluccella lævis*  
*Monarda clinopodia* \*  
*Myagrum rugosum*  
*Myosotis marginata*  
*Nepeta amethystina*  
*botryoides* \*  
*grandiflora* \*  
*incana*  
*italica*  
*lamiifolia* \*  
*nepetella*  
*nuda* \*  
*tuberosa* \*  
*violacea* \*  
*Nicotiana crispa* \*  
*glutinosa*  
*odorata*  
*paniculata*  
*Nigella fativa* \*  
*Ocymum anisatum* \*  
*bullatum*  
*fimbriatum* \*  
*laxum* \*  
*micranthum* \*  
*minimum*  
*monachorum*  
*nigrum* \*  
*polystachyon*  
*Ocy-*

Ocymum thyrssiflorum	Oryza sativa (aristata) *
urticaefolium	— (mutica)
Oenanthe australis *	Ornithogalum arabicum *
peucedanifolia *	scilloides *
Oenothera fruticosa	Orobis lathyroides *
gauroides	Oxybaphus glabrifolius
grandiflora	Palavia malvaefolia
longiflora	Panicum capillare
odorata	Colonum
parviflora *	coloratum
pumila *	lineare
purpurea *	Papaver cambricum *
rosea *	caucasicum *
sinuata *	orientale *
tetraptera *	Parthenium Hyterophor:
villosa	Paspalum patulum
Ononis antiquorum	pubescens
alopecuroides	supinum
fruticosa	Pasiflora minima *
mitissima	Pastinaca balearica
Natrix *	pimpinellifolia *
ornithopodioides	Pavonia Columella
reclinata	spinifex
viscosa	zeylanica *
Onopordon acaulon *	Pelargonium anceps
illyricum	asperum
Onosma arenaria *	australe
Origanum heracleoticum *	crispum *

Pe-



- |                           |                           |
|---------------------------|---------------------------|
| Pelargon: denticulatum *  | Phytolacca icofandra *    |
| inodorum *                | Pimpinella dioica         |
| lateripes                 | dissecta                  |
| myrrhifolium              | Piper pellucidum *        |
| tomentosum *              | Pistacia Terebinthus *    |
| Pentstemon pubescens *    | Plantago altissima *      |
| Pentapetes parviflora     | amplexicaulis             |
| phoenicea                 | arenaria *                |
| Phalaris aquatica         | cordata *                 |
| minor                     | Cornuti *                 |
| phleoides *               | coronopifolia *           |
| pubescens *               | Coronopus                 |
| stipularis *              | genevensis                |
| tenuis                    | incurvata *               |
| Phaseolus inamœnus        | lusitanica                |
| Karka                     | pumila                    |
| Max                       | tenuiflora                |
| rufus                     | virginiana *              |
| Phleum echinatum *        | Platanus orientalis *     |
| Phlomis martinicensis     | Plectranthus fruticosus * |
| Phyllanthus cantoniensis  | parviflorus *             |
| Phyllis nobla             | Plumbago scandens         |
| Physalis chenopodifolia * | Poa amabilis *            |
| exocarpa                  | ciliaris                  |
| flexuosa                  | distans                   |
| prostrata                 | elongata                  |
| viscosa                   | mexicana                  |
| Phyteuma Charmelii *      | Molineri                  |

*Poa peruviana*  
*procumbens*  
*trinervata* \*

*Podalyria lupinoides*  
*Polycarpon tetraphyllum* \*

*Polygonum arenarium* \*  
*frutescens* \*  
*incanum*  
*orientale*

*Polypogon fasciculatum* \*  
*monspeliense* \*

*Portulaca pilosa* \*  
*quadrifolia* \*

*Potentilla fruticosa* \*  
*geoides* \*  
*hirta* \*  
*hungarica* \*  
*inclinata* \*  
*laciniata*

*Poterium agrimonifolium* \*  
*hybridum* \*  
*spinofum* \*

*Prenantes hieracifolia*  
*viminea* \*

*Primula gigantea*  
*altaica* \*  
*marginata*

*Priva hispida* \*

*Prunella alba*  
*hyslopifolia* \*  
*penylvanica* \*

*Pforalea bituminosa* \*  
*corylifolia*  
*hirta*  
*tenuifolia* \*  
*verrucosa*

*Pyrethrum bipinnatum* \*  
*macrophyllum* \*  
*parthenifolium* \*  
*pumilum*

*Quercus pubescens* \*

*Queria canadensis* \*  
*hispanica*

*Ranunculus abortivus*  
*gramineus*  
*nodiflorus* \*  
*parviflorus*  
*ponticus* \*

*Reseda Clusii* \*  
*fruticulosa*  
*glauca*  
*mediterranea*  
*Phyteuma* \*

*Rhus Coriaria* \*  
*Cotinus* \*

*Ricinus communis*

Ri-





Ricinus inermis	Salvia ægyptiaca
lividus	æthiopis
viridis	austriaca *
Rivina lævis *	bicolor
Robinia Halodendron	canariensis *
Rottbœllia filiformis	clandestina *
monandra	clandestinoides
Rudbeckia amplexifolia	coccinea
Ruellia ciliata *	foetida
patula *	glutinosa
strepens	grandiflora *
tuberosa *	Habliziana *
Rumex ægyptiacus *	hirsuta
arifolius	Horminum <small>com; cærul;</small>
confertus	purp:
dentatus *	illyrica
exsanguis *	interrupta
luxurians	micrantha
nemorosus *	nilotica
pulcher	pratensis
spinulosus *	pseudo-coccinea
ucranicus *	runcinata *
undulatus *	ferotina
Særiola æthnensis	spinosa
Salsola eriophora *	tiliæfolia
Kali *	verticillata *
Tragus *	virgata
Salvia abyssinica *	viridis

Sa-

*Sanicula marilandica* \*  
*Santolina alpina* \*  
*Sanvitalia procumbens*  
*Saponaria orientalis* \*  
*Satureja Thymbra* \*  
*Saxifraga decipiens* \*  
     *leptophylla* \*  
*Scabiosa africana*  
     *amplexicaulis* \*  
     *australis* \*  
     *bannatica*  
     *cærulea*  
     *centauroides* \*  
     *dichotoma*  
     *graminifolia* \*  
     *palæstina* \*  
     *prolifera* \*  
     *ficula*  
     *ucranica* \*  
*Scandix fumarioides* \*  
     *pinnatifida*  
*Schkuhria abrotanoides*  
*Scirpus Michelianus* \*  
*Sclerocarpus africanus*  
*Scorpiurus muricatus* \*  
     *fulcatus* \*  
*Scorzonera picroides* \*  
     *resedifolia*

*Scrophular: altaica* \*  
     *betonicaefol:* \*  
     *canina* \*  
     *chrysanthemif:* \*  
     *fruticosa*  
     *glandulosa* \*  
     *marilandica* \*  
     *peregrina*  
     *sambucina*  
     *indeterm:*  
*Scutellaria albida*  
     *lateriflora*  
*Sedum hispanicum*  
     *rubens* \*  
     *sexfidum*  
     *spathulatum*  
*Selago corymbosa* \*  
*Selinum Oreoselinum*  
*Senecio desquamatus* \*  
     *erucæfolius* \*  
     *faracenicus* \*  
     *squalidus*  
     *vernalis*  
*Serratula alata*  
*Sesamum orientale* \*  
*Seseli glaucum*  
*Sida asiatica* \*  
     *cordifolia*

*Sida*



*Sida* *crispa*  
*deflexa* \*  
*deltroidea* \*  
*Dilleniana*  
*hastata*  
*hirta* \*  
*humilis* \*  
*jatrophioides* \*  
*mauritanica*  
*mollissima*  
*parviflora*  
*periplocifolia* \*  
*populifolia* \*  
*rhomboidea*  
*sericea* \*  
*triquetra*  
*umbellata* \*

*Sideritis* *cretica*  
*montana*  
*perfoliata*  
*romana*  
*scordioides* \*

*Silene* *alpestris*  
*apetala*  
*Beben*  
*bellidifolia*  
*bipartita*  
*cerastoides*  
*chlorantha*  
*ciliata* \*  
*clandestina*  
*colorata*  
*congesta*  
*conica* \*  
*disticha*  
*flavescens*

*Silene* *fruticosa*  
*geminiflora*  
*gigantea*  
*hirta*  
*imbricata*  
*inclusa*  
*leucosifolia*  
*linifolia*  
*longiflora* \*  
*lusitanica*  
*maritima*  
*muscipula*  
*nyctantha*  
*orchidea*  
*ornata*  
*parviflora*  
*pendula*  
*picta*  
*pilosa*  
*portensis*  
*pungens*  
*rubella*  
*sedoides*  
*sericea*  
*serpyllifolia*  
*undulata*  
*viridiflora*

*Sison* *Ammi*  
*canadense* \*

*Sisymbrium* *contortum* \*  
*juncum* \*  
*subhastatum* \*

*Sisyrinchium* *anceps*  
*luteum*  
*revolutum*  
*striatum*

*Sium latifolium*  
*Smyrnum nodiflorum* \*  
*Solanum aculeatissimum*  
     *æthiopicum*  
     *æthiopioides*  
     *ciliare*  
     *corymbosum* \*  
     *Humboldtii*  
     *humile*  
     *mauritanicum*  
     *macrocarpon* \*  
     *Melongena*  
         — *ovifera*  
     *nigrum*, *guineense*  
*Pseudo-Lycopersic*  
     *reclinatum*  
     *suffruticosum*  
     *villosum*  
*Solidago cambrica* \*  
*Sonchus floridanus*  
     *hispanicus*  
     *leucophæus* \*  
     *tingitanus*  
*Sorbus domestica*  
*Spermacoce hispida*  
     *tenuior* \*  
*Spergula pentandra*  
*Spigelia Anthelmia* \*  
     *marilandica* \*  
*Stachys cretica* \*  
     *circinnata* \*  
     *nepetifolia* \*  
*Stachytarpheta angustifolia* \*  
*Stapelia radiata* \*  
     *variegata* \*  
*Statice alpina* \*

*Statice caspica* \*  
     *elata* \*  
     *Gmelini* \*  
     *latifolia* \*  
     *oleifolia*  
     *tatarica* \*  
*Stellaria arenaria* \*  
     *viscida*  
*Stevia eupatoria*  
     *pedata*  
*Stipa pennata* \*  
*Talinum crassifolium*  
*Tanacetum crispum* \*  
*Telephium Imperati* \*  
*Tetragonia crystallina* \*  
     *echinata* \*  
     *fruticosa* \*  
*Tephrosia heterophylla* \*  
*Teucrium betonicæfolium*  
     *campanulatum* \*  
     *masiliense*  
     *orientale* \*  
*Thalictrum discolor* \*  
     *fœtidum* \*  
     *majus* \*  
     *nigrescens*  
     *polygamum*  
*Theligonum Cynocrambe*  
*Thlaspi ceratocarpon* \*  
     *hirtum* \*  
     *saxatile* \*  
*Thymus hirsutus* \*  
     *melisoides* \*  
*Tordylium apulum* \*  
     *officinale*  
*Trachelium caruleum* \*

Tra-



*Tradescantia* erecta  
                   undata  
*Tragia* involucrata \*  
*Tragopogon* crocifolius  
                   major  
*Trianthema* monogyna  
*Trifolium* angulatum  
                   angustifolium  
                   clypeatum  
                   dentatum  
                   diffusum  
                   echinatum \*  
                   filiforme  
                   fragiferum  
                   glomeratum  
                   incarnatum  
                   italicum  
                   mauritanicum  
                   mesanense  
                   ochroleucum  
                   parviflorum  
                   procumbens  
                   resupinatum  
                   rubens \*  
                   scabrum \*  
                   spumosum  
                   squarrosus  
                   stellatum  
                   strictum \*  
                   suffocatum  
                   syaveolens  
                   tenue  
*Trigonella* esculenta  
                   Foeniculum græcum  
                   laciniata  
                   monspeliaca

*Trigonella* polycerata  
                   spinosa  
                   striata \*  
*Trincia* hispida  
*Triplacum* dactyloides  
                   hermaphrodit:  
*Triticum* compositum  
                   densiflorum  
                   imbricatum \*  
                   maritimum  
                   monococcon  
                   orientale \*  
                   patulum  
                   rigidum  
                   Spelta alba  
                             rubra  
                   turgidum  
                   unilaterale \*  
                   unioloides  
*Tropæolum* minus  
*Turnera* ulmifolia  
*Turritis* alpina  
*Urena* lobata \*  
                   sinuata \*  
*Urtica* æstuans  
*Valantia* aspera  
                   hispida \*  
                   pedemontana  
*Valeriana* Calcitrapa  
                   Cornucopiæ  
                   coronata  
                   cucullaria  
                   echinata  
                   dentata  
                   rupestris  
                   sibirica

- Velezia rigida**  
**Verbascum** Blattaria  
                   glabrum \*  
                   Lychnitis  
                   pallidum \*  
                   pulverulentum\*  
                   thapsoides  
**Verbena** Aublezia \*  
                   bonariensis \*  
                   bracteosa \*  
                   coccinea \*  
                   erinoides \*  
                   indica  
                   mutabilis  
                   paniculata \*  
                   stricta \*  
                   supina \*  
                   trifolia  
                   urticaefolia \*  
**Verbesina** alata  
                   dichotoma \*  
                   nodiflora  
                   ferrata \*  
**Vernonia** anthelminthica \*  
**Veronica** Crista Galli  
                   cymbalariaefolia  
                   digitata  
                   filiformis  
                   hederæfolia  
                   pinnata \*  
                   præcox \*  
                   spuria \*  
**Viburnum** Lantana \*  
**Vicia** articulata  
                   batica \*  
                   bengalensis  
                   bicolor  
                   casubica  
                   dumetorum  
                   hybrida  
                   megalosperma  
                   Michauxii  
                   montana \*  
                   pisiformis \*  
                   platycarpa  
                   purpurea  
                   ferratifolia  
                   sordida  
                   syriaca  
**Viola** calcarata \*  
                   grandiflora  
                   hirta \*  
                   suffruticosa  
                   verticillata \*  
**Vitex** Agnus castus \*  
**Wedelia** minor  
                   perfoliata \*  
**Wulfenia** carinthiaca \*  
**Xanthium** echinatum  
**Xeranthemum** annuum  
                   inapertum  
**Zea** Mays  
**Zinnia** elegans  
                   multiflora \*  
                   tenuiflora  
                   verticillata  
**Ziziphora** tenuior \*  
**Zizyphus** vulgaris \*